

**Flood Control Project Maintenance
Levee Inspections**

Fall 2018 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR Erosion Survey

San Joaquin River Basin

RD2095	Overall LMA Rating	Total LMA Miles						
Reclamation District No. 2095 Paradise Cut	A	4.86						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.01		0.01	0.21%				
Trim / Thin Trees	0.01		0.01	0.21%				
Encroachments					0.55			
Cracking	0.01		0.01	0.21%				
<i>Supplemental</i>								
DWR UCIP Field Study					0.07			
<i>LMA Totals:</i>	0.03	0.00	0.03	0.62%	0.62	0.00	0.00	0.00
Unit No. 01 Paradise Cut LB	Overall Unit Rating	Total Unit Miles						
RD2095	A	1.45						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Trim / Thin Trees	0.01		0.01	0.69%				
Encroachments					0.01			
<i>Supplemental</i>								
DWR UCIP Field Study					0.04			
<i>Unit Totals:</i>	0.01	0.00	0.01	0.69%	0.05	0.00	0.00	0.00
Unit No. 02 San Joaquin River LB	Overall Unit Rating	Total Unit Miles						
RD2095	A	3.41						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.01		0.01	0.29%				
Encroachments					0.54			
Cracking	0.01		0.01	0.29%				
<i>Supplemental</i>								
DWR UCIP Field Study					0.03			
<i>Unit Totals:</i>	0.02	0.00	0.02	0.59%	0.57	0.00	0.00	0.00

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Fall 2018 Levee Inspection Results

Reclamation District No. 2095 Paradise Cut

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
† Overall LMA Rating (Fall Only)			A	

** Non-receipt of Summer or Winter Inspection
Reports may effect overall annual rating.

† SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2018 Levee Inspection Results

Reclamation District No. 2095 Paradise Cut

Waterway			Bank	Unit Miles
Unit No. 01 Paradise Cut			Left	1.45
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	5/15/2018 - 5/15/2018		11/1/2018 - 11/1/2018	
DWR Inspector	Zach Jojola		Zach Jojola	
Accompanied By	Rosie Silva RD2095			

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2095 Paradise Cut

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Paradise Cut	Left	1.45	11/01/2018 11/01/2018	Zach Jojola

LM Start		Rating **	A	Issue No.	14
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals			°	°
DWR ID	DWR_RD2095_01_s _ 2013_14				
Comment Code					
Inspector Comment					
The O&M Manual is available at the office.					

No Photos

LM Start		Rating **	A	Issue No.	17
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training			°	°
DWR ID	DWR_RD2095_01_s _ 2013_17				
Comment Code					
Inspector Comment					
The LMA has a current flood fight training and a flood fighting plan.					

No Photos

LM Start		Rating **	A	Issue No.	19
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment			°	°
DWR ID	DWR_RD2095_01_s _ 2013_19				
Comment Code					
Inspector Comment					
Flood fighting supplies available on-site at the warehouse.					

No Photos

*** Location**
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

**** Rating**
 A : Acceptable
 M : Minimally Acceptable
 U : Unacceptable
 N : Not Inspected/Rated
 C : Corrected
 A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2095 Paradise Cut

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Paradise Cut	Left	1.45	11/01/2018 11/01/2018	Zach Jojola

LM Start	0.15	Rating **	A/W	Issue No.	10
LM End	0.15	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.769997°	37.769997°
				-121.325055°	-121.325055°
DWR ID	DWR_RD2095_01_f_2015_10				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
LMA is actively controlling access. The slope appears to be stable and should be monitored for possible erosion.					

Photo 1 of 1 : FA_2018_RD2095_322_10_20180911_00001.jpg



View of the vehicle tracks on the waterside levee slope.

LM Start	0.71	Rating **	M	Issue No.	11
LM End	0.71	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.763630 °	37.763630 °
				-121.319045 °	-121.319045 °
DWR ID	DWR_RD2095_01_s_2012_11				
Comment Code					
BU : Building					
Inspector Comment					
Pump house near RR.					

Photo 1 of 1 : FA_2018_RD2095_322_11_20180911_00002.jpg



View of building at the landside levee toe.

LM Start	0.79	Rating **	M	Issue No.	6
LM End	0.79	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.762679 °	37.762679 °
				-121.318273 °	-121.318273 °
DWR ID	DWR_RD2095_01_f_2018_6				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2095 Paradise Cut

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Paradise Cut	Left	1.45	11/01/2018 11/01/2018	Zach Jojola

LM Start	0.87	Rating **	M	Issue No.	20	
LM End	0.87	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.761582 °	37.761582 °	
				-121.317881 °	-121.317881 °	
DWR ID	21637					
Comment Code						
Inspector Comment						
FS_ID:19812						
DS_ID:21637						
EP_NO: 13926						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: No electrical connection can be identified. Possibly awaiting a flood event for re-activation.						
FIELD_STRUCT_DESC: 40-inch steel drainage discharge pipe through the levee, 1 foot below the crown. 6 pumps mounted on a wooden pier at the landside (LS) toe All the pumps discharge into a 40-inch pipe.						
Permit was for a 24-inch steel discharge pipe through the levee, 2 feet below the crown with a flap gate on the waterside (WS), but permit notes show it was modified in 2001 to its current status. (Permit No. 13926 - State of California, Department of Corrections [date not indicated in permit database]).						
FS Date: 9/10/2013						

LM Start	0.87	Rating **	M	Issue No.	20 (cont)
LM End	0.87	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2018_19812_33711.jpg



Pumps on pier at LS toe. Note electrical conduit without connection on right side of pier.

Photo 2 of 3 : UCIP_FA_2018_19812_33710.jpg



Pipe on LS slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
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Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2095 Paradise Cut

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Paradise Cut	Left	1.45	11/01/2018 11/01/2018	Zach Jojola

LM Start	0.87	Rating **	M	Issue No.	20 (cont)	
LM End	0.87	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.761582 °	37.761582 °	
				-121.317881 °	-121.317881 °	
DWR ID	21637					
Comment Code						
Inspector Comment						
FS_ID:19812						
DS_ID:21637						
EP_NO: 13926						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: No electrical connection can be identified. Possibly awaiting a flood event for re-activation.						
FIELD_STRUCT_DESC: 40-inch steel drainage discharge pipe through the levee, 1 foot below the crown. 6 pumps mounted on a wooden pier at the landside (LS) toe All the pumps discharge into a 40-inch pipe.						
Permit was for a 24-inch steel discharge pipe through the levee, 2 feet below the crown with a flap gate on the waterside (WS), but permit notes show it was modified in 2001 to its current status. (Permit No. 13926 - State of California, Department of Corrections [date not indicated in permit database]).						
FS Date: 9/10/2013						

Photo 3 of 3 : UCIP_FA_2018_19812_33709.jpg



Pipe on WS shoulder.

LM Start	0.87	Rating **	M	Issue No.	21	
LM End	0.87	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			37.761554 °		37.761554 °
				-121.317847 °		-121.317847 °
DWR ID	21629					
Comment Code						
Inspector Comment						
FS_ID:34387						
DS_ID:21629						
EP_NO: 6259						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: What appears to be the concrete headwall on the LS toe is tilting and failing. There is a possibility that the concrete is rubble used to fill in around levee toe. Good candidate for video inspection.						
FIELD_STRUCT_DESC: 30-inch corrugated metal drainage pipe through the levee, 21 feet below the crown. Slide gate in riser on the waterside (WS) slope. Concrete headwalls and aprons on both ends. Flap gate on the WS end. Two corrugated metal cutoff walls. (Permit No. 6259, 1968 - Everett Farms). [Additional Reference(s): DWR Levee Log, 2005].						
FS Date: 9/10/2013						

Photo 1 of 3 : UCIP_FA_2018_34387_62273.jpg



Pipe inlet located below 40-inch pipe at LS toe canal.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2095 Paradise Cut

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Paradise Cut	Left	1.45	11/01/2018 11/01/2018	Zach Jojola

LM Start	0.87	Rating **	M	Issue No.	21 (cont)	
LM End	0.87	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.761554 °	37.761554 °	
				-121.317847 °	-121.317847 °	
DWR ID	21629					
Comment Code						
Inspector Comment						
FS_ID:34387 DS_ID:21629 EP_NO: 6259 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: What appears to be the concrete headwall on the LS toe is tilting and failing. There is a possibility that the concrete is rubble used to fill in around levee toe. Good candidate for video inspection. FIELD_STRUCT_DESC: 30-inch corrugated metal drainage pipe through the levee, 21 feet below the crown. Slide gate in riser on the waterside (WS) slope. Concrete headwalls and aprons on both ends. Flap gate on the WS end. Two corrugated metal cutoff walls. (Permit No. 6259, 1968 - Everett Farms). [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 9/10/2013						

LM Start	0.87	Rating **	M	Issue No.	21 (cont)
LM End	0.87	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2018_34387_62272.jpg



Concrete headwall on LS toe is tilting heavily towards canal.

Photo 3 of 3 : UCIP_FA_2018_34387_62271.jpg



Slide gate in 48-inch CMP riser on WS shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2095 Paradise Cut

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Paradise Cut	Left	1.45	11/01/2018 11/01/2018	Zach Jojola

LM Start	0.91	Rating **	M	Issue No.	22	
LM End	0.91	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			37.761079 °		37.761079 °
				-121.317567 °		-121.317567 °
DWR ID	21630					
Comment Code						
Inspector Comment						
FS_ID:19815 DS_ID:21630 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Pipe abandoned and should be verified as having been done so properly. FIELD_STRUCT_DESC: *ABANDONED* 12-inch steel drainage pipe through the levee, 1.5 feet below the crown. Pump on pile structure in drainage ditch on the landside (LS). Siphon breaker in steel standpipe on the waterside (WS) slope. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 10, March 1964, (HLM 0.92)]. FS Date: 9/10/2013						

LM Start	0.91	Rating **	M	Issue No.	22 (cont)
LM End	0.91	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2018_19815_33719.jpg



Hole on LS shoulder where standpipe may have been located.

Photo 2 of 3 : UCIP_FA_2018_19815_33718.jpg



Standpipe discarded on WS berm.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2095 Paradise Cut

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Paradise Cut	Left	1.45	11/01/2018 11/01/2018	Zach Jojola

LM Start	0.91	Rating **	M	Issue No.	22 (cont)	
LM End	0.91	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			37.761079 °		37.761079 °
				-121.317567 °		-121.317567 °
DWR ID	21630					
Comment Code						
Inspector Comment						
FS_ID:19815						
DS_ID:21630						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Indicator Found						
UCIP Comments: Pipe abandoned and should be verified as having been done so properly.						
FIELD_STRUCT_DESC: *ABANDONED* 12-inch steel drainage pipe through the levee, 1.5 feet below the crown. Pump on pile structure in drainage ditch on the landside (LS). Siphon breaker in steel standpipe on the waterside (WS) slope. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 10, March 1964, (HLM 0.92)].						
FS Date: 9/10/2013						

Photo 3 of 3 : UCIP_FA_2018_19815_33717.jpg



Possible location of 12-inch pipe connection to pump on LS toe.

LM Start	0.91	Rating **	M	Issue No.	23	
LM End	0.91	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			37.761046°		37.761046°
				-121.317540°		-121.317540°
DWR ID	21631					
Comment Code						
Inspector Comment						
FS_ID:19813						
DS_ID:21631						
EP_NO: 6537						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Corroded holes on pipe at outlet WS toe, good indication of internal pipe condition. Good candidate for video inspection.						
FIELD_STRUCT_DESC: 14-inch steel drainage discharge pipe through the levee, 2.5 feet below the crown. Pump on pile structure in drainage ditch on the landside (LS). Siphon breaker in 24-inch corrugated metal pipe (CMP) riser on the waterside (WS) shoulder. Flap gate on the WS end. (Permit No. 6537, 1969 - Everett Farms). [Additional Reference(s): DWR Levee Log, 2005].						
FS Date: 9/10/2013						

Photo 1 of 3 : UCIP_FA_2018_19813_33715.jpg



Siphon Breaker/vent in 24-inch steel riser on WS shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2095 Paradise Cut

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Paradise Cut	Left	1.45	11/01/2018 11/01/2018	Zach Jojola

LM Start	0.91	Rating **	M	Issue No.	23 (cont)	
LM End	0.91	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			37.761046°	37.761046°	
				-121.317540°	-121.317540°	
DWR ID	21631					
Comment Code						
Inspector Comment						
FS_ID:19813 DS_ID:21631 EP_NO: 6537 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Corroded holes on pipe at outlet WS toe, good indication of internal pipe condition. Good candidate for video inspection. FIELD_STRUCT_DESC: 14-inch steel drainage discharge pipe through the levee, 2.5 feet below the crown. Pump on pile structure in drainage ditch on the landside (LS). Siphon breaker in 24-inch corrugated metal pipe (CMP) riser on the waterside (WS) shoulder. Flap gate on the WS end. (Permit No. 6537, 1969 - Everett Farms). [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 9/10/2013						

LM Start	0.91	Rating **	M	Issue No.	23 (cont)
LM End	0.91	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2018_19813_33714.jpg



Pump on wooden pier at LS toe.

Photo 3 of 3 : UCIP_FA_2018_19813_33713.jpg



Butterfly valve at pump on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2018 Levee Inspection Results

Reclamation District No. 2095 Paradise Cut

Waterway			Bank	Unit Miles
Unit No. 02 San Joaquin River			Left	3.41
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	5/15/2018 - 5/15/2018		11/1/2018 - 11/1/2018	
DWR Inspector	Zach Jojola		Zach Jojola	
Accompanied By	Rosie Silva RD2095			

Summer & Winter Inspections

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2095 Paradise Cut

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Left	3.41	11/01/2018 11/01/2018	Zach Jojola

LM Start	0.36	Rating **	M	Issue No.	5
LM End	0.82	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.754952 °	37.749645 °
				-121.305880 °	-121.301977 °
DWR ID	DWR_RD2095_02_f_2012_5				
Comment Code					
DT : Ditch					
Inspector Comment					

Photo 1 of 1 : FA_2018_RD2095_323_5_20180911_00006.jpg



View of a ditch along the landside toe.

LM Start	0.60	Rating **	M	Issue No.	6
LM End	0.60	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.751668 °	37.751668 °
				-121.304302 °	-121.304302 °
DWR ID	DWR_RD2095_02_s_2012_6				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
Small shrub at the edge of the ditch.					

No Photos

LM Start	0.97	Rating **	A/W	Issue No.	941
LM End	0.97	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.749706 °	37.749706 °
				-121.299237 °	-121.299237 °
DWR ID	DWR_RD2095_02_s_2012_941				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
Dense bush within 20' of crown on waterside slope.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2095 Paradise Cut

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Left	3.41	11/01/2018 11/01/2018	Zach Jojola

LM Start	0.98	Rating **	A/W	Issue No.	940
LM End	0.98	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.749629 °	37.749629 °
				-121.299040 °	-121.299040 °
DWR ID	DWR_RD2095_02_s_2012_940				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	1.09	Rating **	C	Issue No.	3
LM End	1.09	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.748184 °	37.748184 °
				-121.298995 °	-121.298995 °
DWR ID	DWR_RD2095_02_s_2012_3				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					
4 stumps					

No Photos

LM Start	1.33	Rating **	M	Issue No.	10
LM End	1.33	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Cracking			37.744904 °	37.744904 °
				-121.297679 °	-121.297679 °
DWR ID	DWR_RD2095_02_f_2018_10				
Comment Code					
CR1 : Monitor and have inspected by geotechnical engineer.					
Inspector Comment					
Large crack on the waterside shoulder at previous erosion repair site. Recommend getting a geotechnical engineer to evaluate the crack.					

Photo 1 of 1 : FA_2018_RD2095_323_10_20181105_00020.jpg



View of cracking on waterside shoulder. Fall 2018.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2095 Paradise Cut

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Left	3.41	11/01/2018 11/01/2018	Zach Jojola

LM Start	1.48	Rating **	M	Issue No.	942
LM End	1.48	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.743142 °	37.743142 °
				-121.297692 °	-121.297692 °
DWR ID	21642				
Comment Code					
Inspector Comment					
FS_ID:19863 DS_ID:21642 EP_NO: 4658 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe appears abandoned in place and re-routed to LM 1.652. Need to verify pipe was properly abandoned. Permit FIELD_STRUCT_DESC: *ABANDONED* 14-inch steel drainage pipe through the levee, 3.5 feet below the crown. Pump on structure over drainage ditch on the landside (LS). Flap gate on the waterside (WS) end. (Permit No. 4658, 1964 - Cochran Company, Inc.). [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 11, 1968, (HLM 1.51)]. FS Date: 9/10/2013					

Photo 1 of 1 : UCIP_FA_2018_19863_33760.jpg



Pump visible on LS toe, but pipe has been re-routed to southwest.

LM Start	1.50	Rating **	A/W	Issue No.	12
LM End	1.50	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.742828 °	37.742828 °
				-121.297532 °	-121.297532 °
DWR ID	DWR_RD2095_02_s_2012_12				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2095 Paradise Cut

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Left	3.41	11/01/2018 11/01/2018	Zach Jojola

LM Start	1.63	Rating **	M	Issue No.	943
LM End	1.63	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.741345 °	37.741345 °
				-121.296189 °	-121.296189 °
DWR ID	21654				
Comment Code					
Inspector Comment					
FS_ID:19866 DS_ID:21654 EP_NO: 6298A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No permit identified for this crossing. FIELD_STRUCT_DESC: 16-inch steel drainage pipe through the levee 2-feet below the crown. Siphon breaker in PVC riser on WS shoulder. Pump on pier in ditch on LS toe 750-feet to Northwest from crossing. FS Date: 9/10/2013					

Photo 1 of 3 : UCIP_FA_2018_19866_33767.jpg



Pump located at levee toe 750-feet north west of pipe crossing.

LM Start	1.63	Rating **	M	Issue No.	943 (cont)
LM End	1.63	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2018_19866_33766.jpg



16-inch steel pipe on LS slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2095 Paradise Cut

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Left	3.41	11/01/2018 11/01/2018	Zach Jojola

LM Start	1.63	Rating **	M	Issue No.	943 (cont)
LM End	1.63	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.741345°	37.741345°
				-121.296189°	-121.296189°
DWR ID	21654				
Comment Code					
Inspector Comment					
FS_ID:19866 DS_ID:21654 EP_NO: 6298A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No permit identified for this crossing. FIELD_STRUCT_DESC: 16-inch steel drainage pipe through the levee 2-feet below the crown. Siphon breaker in PVC riser on WS shoulder. Pump on pier in ditch on LS toe 750-feet to Northwest from crossing. FS Date: 9/10/2013					

Photo 3 of 3 : UCIP_FA_2018_19866_33765.jpg



Pump located at levee toe 750-feet north west of pipe crossing.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2095 Paradise Cut

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Left	3.41	11/01/2018 11/01/2018	Zach Jojola

LM Start	1.74	Rating **	A/W	Issue No.	1
LM End	1.77	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.740196 °	37.740196 °
				-121.297662 °	-121.297662 °
DWR ID	RD2095U02RM60.62				

Comment Code

Inspector Comment

10/04/2017: The erosion has further expanded toward the levee toe. The berm width has shortened to approximately 14 feet. The erosion also has further lengthened upstream. Vegetation has grown denser at the site.

07/20/2016: The erosion extended toward the levee toe. The berm width was reduced by approximately five (5) feet.

08/04/2015: No significant change observed.

07/02/2014: No significant change observed.

08/28/2013: No significant change observed.

09/13/2012: The site has been visited by land survey. The vegetation on the site shows the erosion has not developed significantly from the last survey.

The site was not visited by boat survey due to the limitation of navigable waterway.

08/23/2011: No significant change observed.

9/22/2010: No significant change observed. There is moderate vegetation growth on the berm. Despite the erosion occurring on the berm, corrective action should be taken before the issue becomes severe.

9/29/2009: Site is immediately downstream of a section of existing rip rap; there is a 20-foot berm remaining; berm will continue to erode unless erosion is mitigated; Site# is the same as RM62.6, LM1.87; recommended for annual assessment, per CES Evaluation 2008 Report 2006: Visited 10/20/06 [2017 Site ID:RD2095U02RM60.62]

LM Start	1.74	Rating **	A/W	Issue No.	1 (cont)
LM End	1.77	Issue Type +	Ma	Location *	WS

Photo 1 of 4 : FA_2018_RD2095_323_1_20180911_00001.jpg



Looking at the erosion from downstream.

Photo 2 of 4 : FA_2018_RD2095_323_1_20180911_00002.jpg



Looking at the erosion from upstream.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2095 Paradise Cut

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Left	3.41	11/01/2018 11/01/2018	Zach Jojola

LM Start	1.74	Rating **	A/W	Issue No.	1 (cont)
LM End	1.77	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.740196 °	37.740196 °
				-121.297662 °	-121.297662 °
DWR ID	RD2095U02RM60.62				

Comment Code

Inspector Comment

10/04/2017: The erosion has further expanded toward the levee toe. The berm width has shortened to approximately 14 feet. The erosion also has further lengthened upstream. Vegetation has grown denser at the site.

07/20/2016: The erosion extended toward the levee toe. The berm width was reduced by approximately five (5) feet.

08/04/2015: No significant change observed.

07/02/2014: No significant change observed.

08/28/2013: No significant change observed.

09/13/2012: The site has been visited by land survey. The vegetation on the site shows the erosion has not developed significantly from the last survey.

The site was not visited by boat survey due to the limitation of navigable waterway.

08/23/2011: No significant change observed.

9/22/2010: No significant change observed. There is moderate vegetation growth on the berm. Despite the erosion occurring on the berm, corrective action should be taken before the issue becomes severe.

9/29/2009: Site is immediately downstream of a section of existing rip rap; there is a 20-foot berm remaining; berm will continue to erode unless erosion is mitigated; Site# is the same as RM62.6, LM1.87; recommended for annual assessment, per CES Evaluation 2008 Report 2006: Visited 10/20/06 [2017 Site ID:RD2095U02RM60.62]

LM Start	1.74	Rating **	A/W	Issue No.	1 (cont)
LM End	1.77	Issue Type +	Ma	Location *	WS

Photo 3 of 4 : FA_2018_RD2095_323_1_20180911_00003.jpg



Close view of the erosion.

Photo 4 of 4 : FA_2018_RD2095_323_1_20180911_00004.jpg



Close view of the erosion.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2095 Paradise Cut

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Left	3.41	11/01/2018 11/01/2018	Zach Jojola

LM Start	1.75	Rating **	A/W	Issue No.	15
LM End	1.84	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			37.740196°	37.738880°
				-121.297662°	-121.298260°
DWR ID	DWR_RD2095_02_f_2017_15				

Comment Code

Inspector Comment

Levee Evaluation Comments

Description: Active waterside erosion on San Joaquin River near the end of Wright Road in Tracy, CA. Total length of erosion extends 615. Erosion has extended 15 feet towards levee toe this flood season. Please see attached map and photos. As the high water level recedes from the winter storm, we can see more damage to this site. Erosion is active.

Site ID No: 469

Site Designation: LMA-296

Repair Type: Erosion

Rating: Serious

Field Date: 7/26/2017

Notes: This is an active erosion site. Zero vegetation within the eroded portion. It may not be quite in the prism now, but lost about 20 ft (horizontally) of bank last year. Saw eddies in the water here also.

LM Start	1.75	Rating **	A/W	Issue No.	15 (cont)
LM End	1.84	Issue Type +	Ma	Location *	

Photo 1 of 3 : LEVAL_FA_2018_469_2348.jpg



Photo 2 of 3 : LEVAL_FA_2018_469_2349.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2095 Paradise Cut

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Left	3.41	11/01/2018 11/01/2018	Zach Jojola

LM Start	1.75	Rating **	A/W	Issue No.	15 (cont)	
LM End	1.84	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	2017 Storm Damage			37.740196 °		37.738880 °
				-121.297662 °		-121.298260 °
DWR ID	DWR_RD2095_02_f_2017_15					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:Active waterside erosion on san joaquin river near the end of Wright Road in Tracy, CA. Total length of erosion extends 615. Erosion has extended 15 feet towards levee toe this flood season. Pleasee see attached map and photots. As the high water level receds from the winter storm, we can see more damage to this stie. Erosion is active.						
Site ID No:469						
Site Designation:LMA-296						
Repair Type: Erosion						
Rating:Serious						
Field Date:7/26/2017						
Notes: This is an active erosion site. Zero vegetation within the eroded portion. It may not be quite in the prism now, but lost about 20 ft (horizontally) of bank last year. Saw eddies in the water here also.						

Photo 3 of 3 : LEVAL_FA_2018_469_2353.jpg



LM Start	2.08	Rating **	M	Issue No.	944
LM End	2.08	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.735416 °	37.735416 °
				-121.297860 °	-121.297860 °
DWR ID	21643				
Comment Code					
Inspector Comment					
FS_ID:19867					
DS_ID:21643					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Siphon breaker on LS shoulder does not appear to be functional.					
FIELD_STRUCT_DESC: 16-inch steel irrigation pipe through the levee, 2 feet below the crown. Slant pump on steel platform on the waterside (WS) slope. Siphon breaker on the landside (LS) shoulder marked by a T-post. Service pole and meter on the LS toe. Possible concrete standpipe on the LS toe. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 11, 1968, (HLM 2.12)].					
FS Date: 9/10/2013					

Photo 1 of 3 : UCIP_FA_2018_19867_33771.jpg



Siphon breaker on LS shoulder next to T-post with Power pole and concrete standpipe on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2095 Paradise Cut

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Left	3.41	11/01/2018 11/01/2018	Zach Jojola

LM Start	2.08	Rating **	M	Issue No.	944 (cont)	
LM End	2.08	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			37.735416 °		37.735416 °
				-121.297860 °		-121.297860 °
DWR ID	21643					
Comment Code						
Inspector Comment						
FS_ID:19867 DS_ID:21643 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Siphon breaker on LS shoulder does not appear to be functional. FIELD_STRUCT_DESC: 16-inch steel irrigation pipe through the levee, 2 feet below the crown. Slant pump on steel platform on the waterside (WS) slope. Siphon breaker on the landside (LS) shoulder marked by a T-post. Service pole and meter on the LS toe. Possible concrete standpipe on the LS toe. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 11, 1968, (HLM 2.12)]. FS Date: 9/10/2013						

Photo 2 of 3 : UCIP_FA_2018_19867_33770.jpg



Siphon breaker on LS shoulder next to T-post.

LM Start	2.08	Rating **	M	Issue No.	944 (cont)
LM End	2.08	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_FA_2018_19867_33769.jpg



Concrete standpipe on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2095 Paradise Cut

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Left	3.41	11/01/2018 11/01/2018	Zach Jojola

LM Start	2.12	Rating **	A/W	Issue No.	20
LM End	2.12	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.734858 °	37.734858 °
				-121.297758 °	-121.297758 °
DWR ID	DWR_RD2095_02_s_2012_20				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	2.27	Rating **	M	Issue No.	11
LM End	2.34	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.732791 °	37.731859 °
				-121.297309 °	-121.297943 °
DWR ID	DWR_RD2095_02_f_2018_11				
Comment Code					
DT : Ditch					
Inspector Comment					
Ditch recently dug within the waterside bench.					

Photo 1 of 1 : FA_2018_RD2095_323_11_20181105_00021.jpg



View of ditch within landside easement. Fall 2018.

LM Start	2.31	Rating **	M	Issue No.	13
LM End	2.31	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.732280 °	37.732280 °
				-121.297632 °	-121.297632 °
DWR ID	DWR_RD2095_02_f_2018_13				
Comment Code					
EQ : Equipment					
Inspector Comment					
Beehives on the landside berm.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2095 Paradise Cut

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Left	3.41	11/01/2018 11/01/2018	Zach Jojola

LM Start	2.38	Rating **	A/W	Issue No.	945
LM End	2.38	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.731313°	37.731313°
				-121.298298°	-121.298298°
DWR ID	21644				
Comment Code					
Inspector Comment					
FS_ID:19871					
DS_ID:21644					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments:					
FIELD_STRUCT_DESC: 8-inch steel drainage pipe through the levee, 3 feet below the crown. Pump in drainage ditch on the landside (LS). Vent pipe at the waterside (WS) toe. 1.5-inch galvanized iron electrical conduit through the levee at the same location. Service pole with a switch box and meter on the LS. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 11, 1968, (HLM 2.41)].					
FS Date: 9/10/2013					

LM Start	2.38	Rating **	A/W	Issue No.	945 (cont)
LM End	2.38	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP_FA_2018_19871_33778.jpg



Pump on metal pier off LS toe.

Photo 2 of 2 : UCIP_FA_2018_19871_33777.jpg



Vent standpipe on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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